State: District of Columbia Filling Company: Union Fidelity Life Insurance Company

TOI/Sub-TOI: MS02I Individual Medicare Supplement - Pre-Standardized/MS02I.000 Medicare Supplement - Pre-

Standardized

Product Name: 2013 UFLIC PreStd Filing

Project Name/Number: /

#### Filing at a Glance

Company: Union Fidelity Life Insurance Company

Product Name: 2013 UFLIC PreStd Filing

State: District of Columbia

TOI: MS02I Individual Medicare Supplement - Pre-Standardized

Sub-TOI: MS02I.000 Medicare Supplement - Pre-Standardized

Filing Type: Rate

Date Submitted: 04/23/2013

SERFF Tr Num: AETN-128997398

SERFF Status: Assigned

State Tr Num:

State Status:

Co Tr Num: 2013 UFLIC PRESTD DC

Implementation 06/01/2013

Date Requested:

Author(s): George Ronczy, Xiufeng Yin

Reviewer(s): Efren Tanhehco (primary), Carolyn King

Disposition Date:
Disposition Status:
Implementation Date:

State Filing Description:

State: District of Columbia Filling Company: Union Fidelity Life Insurance Company

TOI/Sub-TOI: MS02I Individual Medicare Supplement - Pre-Standardized/MS02I.000 Medicare Supplement - Pre-

Standardized

Product Name: 2013 UFLIC PreStd Filing

Project Name/Number: /

#### **General Information**

Project Name: Status of Filing in Domicile: Pending

Project Number:

Requested Filing Mode: Review & Approval

Explanation for Combination/Other:

Date Approved in Domicile:

Domicile Status Comments:

Market Type: Individual

Individual Market Type:

Overall Rate Impact: 9% Filing Status Changed: 05/03/2013

State Status Changed:

Deemer Date: Created By: Xiufeng Yin

Submitted By: Xiufeng Yin Corresponding Filing Tracking Number:

Filing Description:

Union Fidelity Life Insurance Company Prestandardized Medicare Supplement Rate Increase Filing.

Forms 1-1042, 1-1053, 1-8550 Rate increase requested: 9.0%

#### **Company and Contact**

#### **Filing Contact Information**

Xiufeng Yin, Actuarial Consultant Xiufeng.yin@aetna.com 11675 Great Oaks Way 770-346-1463 [Phone] Alpharetta, GA 30022

**Filing Company Information** 

Union Fidelity Life Insurance CoCode: 62596 State of Domicile: Kansas

Company Group Code: 350 Company Type: 7101 College Blvd., Suite 1400 Group Name: State ID Number:

Overland Park, KS 66210 FEIN Number: 31-0252460

(913) 982-3717 ext. [Phone]

### **Filing Fees**

Fee Required? No Retaliatory? No

Fee Explanation:

SERFF Tracking #: AETN-128997398 State Tracking #: Company Tracking #: 2013 UFLIC PRESTD DC

State: District of Columbia Filing Company: Union Fidelity Life Insurance Company

TOI/Sub-TOI: MS02I Individual Medicare Supplement - Pre-Standardized/MS02I.000 Medicare Supplement - Pre-Standardized

**Product Name:** 2013 UFLIC PreStd Filing

Project Name/Number: /

#### **Rate Information**

Rate data applies to filing.

Filing Method: SERFF

Rate Change Type: Increase

Overall Percentage of Last Rate Revision: 0.000%

**Effective Date of Last Rate Revision:** 

Filing Method of Last Filing:

#### **Company Rate Information**

| Company<br>Name:                      | Overall %<br>Indicated<br>Change: | Overall %<br>Rate<br>Impact: | Written Premium<br>Change for<br>this Program: | # of Policy<br>Holders Affected<br>for this Program: | Written<br>Premium for<br>this Program: | Maximum %<br>Change<br>(where req'd): | Minimum %<br>Change<br>(where req'd): |
|---------------------------------------|-----------------------------------|------------------------------|--|--|---|---------------------------------------|---------------------------------------|
| Union Fidelity Life Insurance Company | 9.000%                            | 9.000%                       | \$806  | 4  | \$8,961                                 | 9.000%                                | 9.000%                                |

SERFF Tracking #: AETN-128997398 State Tracking #: Company Tracking #: 2013 UFLIC PRESTD DC

 State:
 District of Columbia

 Filing Company:
 Union Fidelity Life Insurance Company

TOI/Sub-TOI: MS02I Individual Medicare Supplement - Pre-Standardized/MS02I.000 Medicare Supplement - Pre-Standardized

**Product Name:** 2013 UFLIC PreStd Filing

Project Name/Number: /

#### Rate/Rule Schedule

|   | Item<br>No. | Schedule<br>Item<br>Status | Document Name | Affected Form Numbers (Separated with commas) | Rate Action | Rate Action Information | Attachments                       |
|---|-------------|----------------------------|---------------|---|-------------|-------------------------|-----------------------------------|
| • | 1           |                            | Rate page     |   | New         |                         | 2013 UFLIC DC Rate Schedules.pdf, |

## Actuarial Justification for Medicare Supplement Rate Increase

Pre-Standardized Medicare Supplement Plans Forms 1-1042, 1-1053, 1-8550

#### **DC Rate Schedules**

|        |            | Current Rates |               | Proposed Rates |
|--------|------------|---------------|---------------|----------------|
| Policy | Policy     | Annualized    | Proposed      | Annualized     |
| Number | Number     | Premium       | Rate Increase | Premium        |
| #1     | 000A466876 | 3,026         | 9%            | 3,298          |
| #2     | 000A665915 | 2,377         | 9%            | 2,590          |
| #3     | 000A705686 | 2,376         | 9%            | 2,590          |
| #4     | 000D037806 | 1,182         | 9%            | 1,288          |
| Total: |            | 8,961         | 9%            | 9,767          |

SERFF Tracking #: AETN-128997398 State Tracking #: Company Tracking #: 2013 UFLIC PRESTD DC

State: District of Columbia Filing Company: Union Fidelity Life Insurance Company

TOI/Sub-TOI: MS02I Individual Medicare Supplement - Pre-Standardized/MS02I.000 Medicare Supplement - Pre-Standardized

**Product Name:** 2013 UFLIC PreStd Filing

Project Name/Number: /

## **Supporting Document Schedules**

| Bypassed - Item:  | Cover Letter All Filings                                       |
|-------------------|--|
| Bypass Reason:    | Please see General Information                                 |
| Attachment(s):    |  |
| Item Status:      |  |
| Status Date:      |  |
| Ontintia de Hama  |  |
| Satisfied - Item: | Certificate of Authority to File                               |
| Comments:         |  |
| Attachment(s):    | UFLIC Med Sup Letter of Auth 2012-10-01 Aetna.pdf              |
| Item Status:      |  |
| Status Date:      |  |
| Satisfied - Item: |  |
|                   | Actuarial Memorandum   |
| Comments:         |  |
|                   | 2013 UFLIC DC AJ.pdf   |
| Attachment(s):    | Exhibit I.pdf  |
|                   | Exhibit II.pdf   |
| Item Status:      |  |
| Status Date:      |  |
|                   |  |
| Bypassed - Item:  | Actuarial Justification  |
| Bypass Reason:    | Not Applicable   |
| Attachment(s):    |  |
| Item Status:      |  |
| Status Date:      |  |
|                   |  |
| Bypassed - Item:  | District of Columbia and Countrywide Loss Ratio Analysis (P&C) |
| Bypass Reason:    | Not Applicable   |
| Attachment(s):    |  |
| Item Status:      |  |
| Status Date:      |  |

| SERFF Tracking #:    | AETN-128997398           | State Tracking #:                    | Cor                                   | npany Tracking #: | 2013 UFLIC PRESTD DC |  |  |
|----------------------|--------------------------|--------------------------------------|---------------------------------------|-------------------|----------------------|--|--|
| State:               | District of Colum        |                                      | Filing Company:                       |                   | Insurance Company    |  |  |
| TOI/Sub-TOI:         | MS021 Individual         | Medicare Supplement - Pre-Standardiz | zed/MS02I.000 Medicare Supplement - I | Pre-Standardized  |                      |  |  |
| Product Name:        | 2013 UFLIC PreStd Filing |                                      |                                       |                   |                      |  |  |
| Project Name/Number: | /                        |                                      |                                       |                   |                      |  |  |
| Bypassed - Item:     | D                        | istrict of Columbia and Country      | wide Experience for the Last 5 Y      | ears (P&C)        |                      |  |  |
| Bypass Reason:       | N                        | ot Applicable                        | ·                                     |                   |                      |  |  |
| Attachment(s):       |                          |                                      |                                       |                   |                      |  |  |
| Item Status:         |                          |                                      |                                       |                   |                      |  |  |
| Status Date:         |                          |                                      |                                       |                   |                      |  |  |
| Bypassed - Item:     | A                        | ctuarial Memorandum and Cert         | ifications                            |                   |                      |  |  |
| Bypass Reason:       | N                        | ot Applicable                        |                                       |                   |                      |  |  |
| Attachment(s):       |                          |                                      |                                       |                   |                      |  |  |
| Item Status:         |                          |                                      |                                       |                   |                      |  |  |
| Status Date:         |                          |                                      |                                       |                   |                      |  |  |
|                      |                          |                                      |                                       |                   |                      |  |  |
| Bypassed - Item:     | U                        | nified Rate Review Template          |                                       |                   |                      |  |  |
| Bypass Reason:       | N                        | ot Applicable                        |                                       |                   |                      |  |  |
| Attachment(s):       |                          |                                      |                                       |                   |                      |  |  |
| Item Status:         |                          |                                      |                                       |                   |                      |  |  |

**Status Date:** 



#### Union Fidelity Life Insurance Company 7101 College Blvd., Suite 1400 Overland Park KS 66210

August 22, 2012

Aetna Life Insurance Company. 151 Farmington Avenue Hartford, CT 06156

Attn: Beth Gilbert and George Ronczy

VIA ELECTRONIC MAIL AND OVERNIGHT DELIVERY

Re: Union Fidelity Life Insurance Company (Company)

NAIC 62596

Dear Ms. Gilbert and Mr. Ronczy:

Effective October 1, 2012, this letter authorizes Aetna Life Insurance Company to file on behalf of Company their policy forms, rate filings and reports with the State Departments of Insurance.

Aetna Life Insurance Company may correspond with the State Departments of Insurance regarding any questions they may have concerning the filings.

A copy of this letter is as valid as the original. This authorization will be valid for twelve months from the date of this letter.

Please do not hesitate to contact me if you have any questions. My telephone number is 913-982-3717 and my email address is <a href="mailto:Catherine.McBride@ge.com">Catherine.McBride@ge.com</a>.

Sincerely,

Catherine R. McBride

Vice President & Associate General Counsel

cc: Kathy Russell (electronic only)

Karen Fleming (electronic only)
Janice Burns (electronic only)

# Actuarial Memorandum

#### **Pre-Standardized Medicare Supplement Plans**

#### 1) Introduction

This is a rate increase filing for existing Medicare Supplement forms. This became a closed block of business in 1991. The purpose of this rate filing is to demonstrate that the anticipated loss ratio of these forms meets the minimum requirements of this state. This rate filing is not intended to be used for any other purpose.

The proposed rate increase is 9.0% for the company's pre-standardized Medicare Supplement business.

#### 2) Benefit Description

These forms are for the company's current existing Medicare Supplement Pre-Standaredized Individual plan, described in the NAIC Medicare Supplement Insurance Model Regulation.

#### 3) Renewal Provisions

These policy forms are guaranteed renewal for life at the option of the policyholder. UNION FIDELITY LIFE INSURANCE COMPANY Company may change the premiums by plan if such change applies to all policies, although the percentage change may vary by risk classification cell.

#### 4) Nationwide Average Rate Change History

| Year | ImPl. Date | Ave Rate Inc. |
|------|------------|---------------|
| 1997 | 01/01/1997 | 9.9%          |
| 1998 | 05/01/1998 | 14.0%         |
| 1999 | 07/01/1999 | 12.1%         |
| 2000 | 10/01/2000 | 11.2%         |
| 2001 | 10/01/2001 | 15.0%         |
| 2002 | 10/01/2002 | 10.7%         |
| 2003 | 10/01/2003 | 7.2%          |
| 2004 | 10/01/2004 | 6.3%          |
| 2005 | n/a        | 0.0%          |
| 2006 | 04/01/2006 | 7.8%          |
| 2007 | 07/01/2007 | 8.0%          |
| 2008 | 10/01/2008 | 7.7%          |
| 2009 | 10/01/2009 | 8.0%          |
| 2010 | n/a        | 0.0%          |
| 2011 | 05/01/2011 | 8.1%          |
| 2012 | 06/01/2012 | 7.9%          |

#### 5) Average Premium and Inforce Policies

The attached Exhibit I shows the estimated average annual premium for these policy forms and the number of policies in force as of 12/31/2012

## 6) Trend

We expect the 2012 overall claim cost trend to be 9.0% for these plans.

### **Actuarial Memorandum**

#### **Pre-Standardized Medicare Supplement Plans**

#### 7) Minimum Required Loss Ratio

The minimum required lifetime loss ratio for these policy forms is 65%.

#### 8) Experience

Exhibit II shows the nationwide experience for these policy forms from inception through 12/31/2012 with claims restated as of 12/31/2012.

#### 9) Rate Change Request

An average 9.0% rate increase is proposed for the Medicare Supplement Pre-Standardized Plan forms for this state.

Due to credibility issues, Nationwide pooled experience has been used to projecting future loss ratios. This projection has been provided in Exhibit III.

Assuming approval of the proposed 2013 rate schedules, the lifetime and anticipated loss ratios for these policy forms are expected to exceed the 65% minimum loss ratio requirement.

#### 10) Effective Date

The proposed rates are provided in the attached rate sheet. We are proposing an effective date of 06/01/2013 for the new rates, which will be implemented on each member's policy anniversary date.

#### 11) Certification

I certify that, to the best of my knowledge and judgment, this filing is in compliance with the applicable laws and regulations of the state and is in compliance with the current standards of practice promulgated by the Actuarial Standards board. The required loss ratio standards have been satisfied and the proposed premiums are not unreasonable or unfairly discriminatory compared to the benefits provided.

George Ronczy, ASA, MAAA Assistant Actuary

Aetna Inc.

Exhibit I - Average Annual Premium and Inforce Policies

Exhibit II - Nationwide Experience and Projection

04/23/2013

Date

## **Pre-Standardized Medicare Supplement Plans**

#### **Exhibit I - Average Annual Premium and Inforce Policies**

| State:          | District of Columbia |
|-----------------|----------------------|
| Valuation Date: | 12/31/2012           |

|                            | i ie-olandaldized |
|----------------------------|-------------------|
| Total Annual Premium       | 8,961             |
| Number of Policies Inforce | 4                 |
| Average Premium            | 2,240             |

Pre-Standardized

| State:          | Nationwide |
|-----------------|------------|
| Valuation Date: | 12/31/2012 |

|                            | Pre-Standardized |
|----------------------------|------------------|
| Total Annual Premium       | 1,485,092        |
| Number of Policies Inforce | 666              |
| Average Premium            | 2,230            |

Pre-Standardized Medicare Supplement Plans

Exhibit II - Nationwide Experience and Projection

| From a city or    | <b></b>               | la access of          | Ol- !                  | \/       |                        | Average        | Dua : !- | <b>A.</b>      | Claim   |
|-------------------|-----------------------|-----------------------|------------------------|----------|------------------------|----------------|----------|----------------|---------|
| Experience        | Earned                | Incurred              | Claim                  | Year     | Dawa'-t-               | Annual         | Premium  | Average        | Cost    |
| Year              | Premium 400 001 050   | Claims                | Ratio                  | Expsures | Persistency            | Premium        | Trend    | Claim Cost     | Trend   |
| 1984 & Prior      | 169,081,058           | 94,879,734            | 56.1%                  | 387,022  | N/A                    | N/A            | N/A      | N/A            | N       |
| 1985              | 84,214,475            | 44,283,943            | 52.6%                  | 175,080  |                        | 481            | N/A      | 253            | 1       |
| 1986              | 81,829,329            | 49,056,124            | 59.9%                  | 158,645  | 90.6%                  | 516            | 7.2%     | 309            | 22.     |
| 1987              | 78,483,772            | 49,562,357            | 63.1%                  | 142,752  |                        | 550            | 6.6%     | 347            | 12.     |
| 1988              | 68,123,102            | 43,944,805            | 64.5%                  | 116,696  | 81.7%                  | 584            | 6.2%     | 377            | 8.      |
| 1989              | 53,361,512            | 31,938,837            | 59.9%                  | 86,013   | 73.7%                  | 620            | 6.3%     | 371            | -1.     |
| 1990              | 48,968,215            | 31,999,609            | 65.3%                  | 73,944   | 86.0%                  | 662            | 6.7%     | 433            | 16.     |
| 1991              | 44,428,139            | 28,958,125            | 65.2%                  | 61,997   | 83.8%                  | 717            | 8.2%     | 467            | 7.      |
| 1992              | 39,243,284            | 25,134,184            | 64.0%                  | 50,529   | 81.5%                  | 777            | 8.4%     | 497            | 6.      |
| 1993              | 33,975,701            | 22,852,049            | 67.3%                  | 39,541   | 78.3%                  | 859            | 10.6%    | 578            | 16.     |
| 1994              | 29,429,356            | 20,404,470            | 69.3%                  | 32,041   | 81.0%                  | 918            | 6.9%     | 637            | 10.     |
| 1995              | 25,156,547            | 17,663,098            | 70.2%                  | 25,612   | 79.9%                  | 982            | 6.9%     | 690            | 8.      |
| 1996              | 21,023,903            | 15,870,640            | 75.5%                  | 20,672   | 80.7%                  | 1,017          | 3.5%     | 768            | 11.     |
| 1997              | 17,791,379            | 13,839,735            | 77.8%                  | 16,015   | 77.5%                  | 1,111          | 9.2%     | 864            | 12.     |
| 1998              | 15,017,793            | 12,711,285            | 84.6%                  | 12,770   | 79.7%                  | 1,176          | 5.9%     | 995            | 15.     |
| 1999              | 13,312,830            | 10,846,077            | 81.5%                  | 11,419   | 89.4%                  | 1,166          | -0.9%    | 950            | -4      |
| 2000              | 11,670,300            | 8,997,105             | 77.1%                  | 9,843    | 86.2%                  | 1,186          | 1.7%     | 914            | -3      |
| 2001              | 10,374,284            | 7,576,101             | 73.0%                  | 8,009    | 81.4%                  | 1,295          | 9.3%     | 946            | 3       |
| 2002              | 9,397,197             | 6,636,079             | 70.6%                  | 6,687    | 83.5%                  | 1,405          | 8.5%     | 992            | 4       |
| 2003              | 8,455,905             | 5,674,899             | 67.1%                  | 5,507    | 82.4%                  | 1,535          | 9.3%     | 1,030          | 3       |
| 2004              | 7,376,491             | 5,313,086             | 72.0%                  | 4,560    | 82.8%                  | 1,618          | 5.4%     | 1,165          | 13      |
| 2004              | 6,426,307             | 5,044,552             | 72.0 <i>%</i><br>78.5% | 3,725    | 81.7%                  | 1,725          | 6.6%     | 1,763          | 16      |
| 2005              | 5,330,821             | 4,317,216             | 81.0%                  | 3,723    | 81.0%                  | 1,723          | 2.4%     | 1,431          | 5       |
|                   |                       |                       |                        | •        |                        | •              |          | •              |         |
| 2007              | 4,486,936             | 3,980,901             | 88.7%                  | 2,403    | 79.6%                  | 1,868          | 5.7%     | 1,657          | 15      |
| 2008              | 3,648,092             | 3,156,689             | 86.5%                  | 1,855    | 77.2%                  | 1,967          | 5.3%     | 1,702          | 2       |
| 2009              | 3,012,620             | 2,656,552             | 88.2%                  | 1,403    | 75.7%                  | 2,147          | 9.2%     | 1,893          | 11      |
| 2010              | 2,406,458             | 2,142,080             | 89.0%                  | 1,150    | 82.0%                  | 2,093          | -2.5%    | 1,863          | -1<br>- |
| 2011              | 2,128,981             | 1,714,852             | 80.5%                  | 994      | 86.4%                  | 2,143          | 2.4%     | 1,726          | -7      |
| 2012              | 1,632,908             | 1,156,920             | 70.9%                  | 827      | 83.2%                  | 1,975          | -7.9%    | 1,399          | -19     |
| 2013              | 1,319,422             | 945,401               | 71.7%                  | 620      | 75.0%                  | 2,128          | 7.8%     | 1,525          | 9       |
| 2014              | 1,078,628             | 772,867               | 71.7%                  | 465      | 75.0%                  | 2,320          | 9.0%     | 1,662          | 9       |
| 2015              | 882,412               | 632,273               | 71.7%                  | 349      | 75.0%                  | 2,528          | 9.0%     | 1,812          | 9       |
| 2016              | 722,062               | 517,377               | 71.7%                  | 262      | 75.0%                  | 2,756          | 9.0%     | 1,975          | 9       |
| 2017              | 591,788               | 424,031               | 71.7%                  | 197      | 75.0%                  | 3,004          | 9.0%     | 2,152          | 9       |
| 2018              | 484,605               | 347,232               | 71.7%                  | 148      | 75.0%                  | 3,274          | 9.0%     | 2,346          | 9       |
| 2019              | 396,165               | 283,861               | 71.7%                  | 111      | 75.0%                  | 3,569          | 9.0%     | 2,557          | 9       |
| 2020              | 322,892               | 231,360               | 71.7%                  | 83       | 75.0%                  | 3,890          | 9.0%     | 2,787          | 9       |
| 2021              | 262,904               | 188,377               | 71.7%                  | 62       | 75.0%                  | 4,240          | 9.0%     | 3,038          | 9       |
| 2022              | 217,234               | 155,654               | 71.7%                  | 47       | 75.0%                  | 4,622          | 9.0%     | 3,312          | 9.      |
| 2023              | 176,330               | 126,345               | 71.7%                  | 35       | 75.0%                  | 5,038          | 9.0%     | 3,610          | 9       |
| 2024              | 142,777               | 102,303               | 71.7%                  | 26       | 75.0%                  | 5,491          | 9.0%     | 3,935          | 9       |
| 2025              | 119,713               | 85,777                | 71.7%                  | 20       | 75.0%                  | 5,986          | 9.0%     | 4,289          | 9       |
| 2026              | 97,865                | 70,123                | 71.7%                  | 15       | 75.0%                  | 6,524          | 9.0%     | 4,675          | 9       |
| 2027              | 78,227                | 56,052                | 71.7%                  | 11       | 75.0%<br>75.0%         | 7,112          | 9.0%     | 5,096          | 9.      |
| 2027              | 62,013                | 44,434                | 71.7%                  | 8        | 75.0 <i>%</i><br>75.0% | 7,112<br>7,752 | 9.0%     | 5,090<br>5,554 | 9       |
|                   |                       |                       |                        |          |                        |                |          |                |         |
| 2029              | 50,695                | 36,325                | 71.7%                  | 6        | 75.0%                  | 8,449          | 9.0%     | 6,054          | 9       |
| 2030              | 46,048                | 32,995                | 71.7%                  | 5        | 75.0%                  | 9,210          | 9.0%     | 6,599          | 9       |
| 2031              | 40,154                | 28,771                | 71.7%                  | 4        | 75.0%                  | 10,039         | 9.0%     | 7,193          | 9.      |
| 2032<br>Thru 2032 | 32,826<br>906,912,455 | 23,521<br>577,417,183 | 71.7%<br>63.7%         | 3        | 75.0%                  | 10,942         | 9.0%     | 7,840          | 9.      |

Pre-Standardized Medicare Supplement Plans

## Exhibit II - Nationwide Experience and Projection

## Accumulated/Discounted (1)

| 1984-2012  | 2,823,188,177 | 1,745,547,751 | 61.8% |
|------------|---------------|---------------|-------|
| 2013-2032  | 5,790,077     | 4,148,744     | 71.7% |
| Cumulative | 2,828,978,254 | 1,749,696,495 | 61.8% |

**Projection Assumptions** 

|              | Projection Assumptions |             |                  |             |
|--------------|------------------------|-------------|------------------|-------------|
|              |                        |             | Claim Cost Trend |             |
| Persistency: | 75.0%                  |             | 2013-2033        | 9.0%        |
| Rate Changes | Aging                  | R.S. Change | Total            | Effect. (2) |
| 2012         | 0.0%                   | 7.9%        | 9.0%             | 0.221       |
| 2013         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2014         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2015         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2016         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2017         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2018         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2019         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2020         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2021         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2022         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2023         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2024         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2025         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2026         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2027         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2028         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2029         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2030         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2031         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |
| 2032         | 0.0%                   | 9.0%        | 9.0%             | 0.182       |

<sup>(1)</sup> Accumulated / discounted to 12/31/2012 at 5%

<sup>(2) 2013+</sup> rate changes are assumed to be 18.2% effective in the increase year and 81.8% effective in the following year.